Index of Claims

10/600,145

Examiner

N. M. Minnifield

Applicant(s)/Patent under Reexamination

LEE ET AL.

Art Unit

1645

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

| - | (Through numeral)<br>Cancelled |  |  |  |  |  |  |
|---|--------------------------------|--|--|--|--|--|--|
| ÷ | Restricted                     |  |  |  |  |  |  |

| N  | Non-Elected  |
|----|--------------|
| 1. | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|           | Į                 |                           |                    | _        |   |          |  |              | L  |          |   |          |          |          |          |          |          |   |           |          |          | ·         |          |          |            | Ш              | <u> </u>   |                    |
|-----------|-------------------|---------------------------|--------------------|----------|---|----------|--|--------------|--|----------|---|----------|----------|----------|----------|----------|----------|---|-----------|----------|----------|-----------|----------|----------|------------|----------------|--|--------------------|
| Cla       | aim Date          |                           |                    |          |   |          |  |              | Claim Date                                       |          |   |          |          |          | Claim    |          |          |   |           |          | _        |           |          |          |            |                |  |                    |
| Final     | Original          | 出                         |                    |          |   |          |  |              |  |          |   | Final    | Original |          |          |          |          |   |           |          |          |           |          | Final    | Original   |                |  |                    |
|           | 1                 |                           | 十                  |          | _ | T        |  | T            | T  | П        |   |          | 51       |          |          |          |          |   |           |          |          |           |          |          | 101        |                |  | $\exists$          |
|           | 2                 | $\Pi$                     |                    |          |   |          |  |              |  |          |   |          | 52       |          |          |          |          |   |           |          |          |           |          |          | 102        |                | $\Box$   |                    |
|           | 3                 | П                         |                    |          |   |          | _  |              |  | Ш        |   |          | 53       |          |          |          |          |   |           |          |          |           |          |          | 103        | Ш              | Ш  |                    |
|           | 4                 | Y                         | 4                  | ·        |   | L        | _  | $oxed{oxed}$ | L  | Ш        |   |          | 54       | L.       |          | L.       |          |   |           |          |          |           | L        |          | 104        | Ш              | $\sqcup$   | _                  |
|           |                   | =                         | 4                  |          |   | <u> </u> |  | <u> </u>     | <u> </u>   | Ш        |   |          | 55       | _        | _        |          |          |   | _         | _        |          |           | L        |          | 105        | Щ              | $\vdash$   | $\dashv$           |
| <u> </u>  | 6                 | =,                        | -                  | _        |   | ┡        | _  | _            | <u> </u>   | Ш        |   |          | 56       | ļ        | _        |          |          |   |           | _        | -        | _         | F        | $\dashv$ | 106        | -              | $\vdash \vdash$                                  | $\dashv$           |
| -         | $\longrightarrow$ | 7                         | +                  |          |   | ├        | $\vdash$   | -            | ⊢  | Н        |   |          | 57       | <u> </u> | <u> </u> | _        |          | _ | Н         |          |          |           | _        |          | 107        | H              | $\vdash$   | $\dashv$           |
|           | 8 :               | =                         | -                  |          | _ | $\vdash$ | ⊢  | ⊢            | -  | $\vdash$ |   |          | 58<br>59 |          | -        |          | -        |   | Н         |          |          | -         | _        |          | 108<br>109 | Н              | ┝╼┼  | $\dashv$           |
| -         | 10                | ╂┼                        | +                  | -        | _ | ╁        | ┢  | ┼─           | ┢  | Н        |   |          | 60       |          |          | -        |          | _ | Н         |          | $\vdash$ | $\dashv$  | -        |          | 110        | $\vdash$       | ┝╼┼  | $\dashv$           |
| -         | 11                | H                         | $\dashv$           | -        | _ | ╁        | ╁  | ┢            | -  | Н        |   |          | 61       | $\vdash$ | -        | $\vdash$ |          | - | $\vdash$  |          |          | $\dashv$  | H        |          | 111        | Н              | $\vdash$   | $\dashv$           |
|           |                   |                           | $\dashv$           |          |   | ╁        | $\vdash$   | ╁╌           | 一  | $\vdash$ |   |          | 62       | $\vdash$ |          | $\vdash$ |          |   | Н         | _        |          | $\dashv$  | F        | _        | 112        | Н              |  | 十                  |
|           |                   | *                         | _                  |          |   | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$   |          |   |          | 63       | $\vdash$ |          | -        | -        |   |           |          |          | ┪         | r        |          | 113        | П              |  | ヿ                  |
|           | 14                | 1                         | $\top$             |          |   | t        |  |              | <u> </u>   | П        |   |          | 64       |          |          |          |          |   |           |          |          |           | ı        |          | 114        | П              | П  | $\neg$             |
|           | 15                | =                         |                    |          |   |          |  |              |  |          |   |          | 65       |          |          |          |          |   |           |          |          | ╗         | Ī        | •        | 115        |                |  | I                  |
|           | 16                | П                         |                    |          |   |          |  |              |  |          |   |          | 66       |          |          |          |          |   |           |          |          |           |          |          | 116        |                |  | $\Box$             |
|           | 17                |                           |                    |          |   |          |  |              | 乚  |          |   |          | 67       |          |          |          |          |   |           |          |          |           | L        |          | 117        | Ш              | $\sqcup$   |                    |
|           | 18                | Ц                         |                    | _        |   | <u> </u> |  | 匚            | L  |          |   |          | 68       |          |          |          |          |   |           |          |          | _         |          |          | 118        | Ш              | Ш  | _                  |
|           | 19                | ${\downarrow \downarrow}$ | $\perp$            | _        |   | ┕        | L  | <u> </u>     | L  |          |   |          | 69       |          |          |          |          |   |           |          |          | _         | $\perp$  | _        | 119        | Ш              | $\sqcup$   | _                  |
|           | 20                | H                         | _                  | _        |   |          | L  | ļ            | _  | Щ        |   |          | 70       |          |          |          |          |   |           |          |          |           | $\perp$  |          | 120        | Ш              | igwdapprox                                       | 4                  |
| ļ         |                   | 又                         | _                  | 4        |   | _        | <u> </u>   | L.           | <u> </u>   | Ш        |   |          | 71       |          |          | Щ        |          |   | $\square$ | ·        |          | 4         | -        |          | 121        | Н              | $\vdash \vdash$                                  | 4                  |
| -         |                   | ラ                         | +                  | $\dashv$ |   | ⊢        | ├  |              | ├  | Н        |   |          | 72       |          | -        |          |          |   | Н         | _        | _        | -         | $\vdash$ |          | 122<br>123 | Н              | $\vdash \vdash$                                  | $\dashv$           |
|           | 24                | =                         |                    | $\dashv$ |   | ┢        | ├  | -            |  | Н        |   |          | 73<br>74 |          |          |          |          |   |           | -        |          |           | ⊢        |          | 124        | Н              | $\vdash$   | $\dashv$           |
|           | 25                |                           | _                  | $\dashv$ |   | ├─       | ╁  | $\vdash$     | ╁  | Н        |   | <u> </u> | 75       |          | -        |          |          |   | $\vdash$  |          |          |           | -        |          | 125        | Н              | $\vdash$   | $\dashv$           |
|           | 26                | =                         | +                  | $\dashv$ |   | ┢        | ╁╌   |              | ┢  | Н        |   | <u> </u> | 76       | -        |          |          |          |   | $\vdash$  | _        | -        | $\dashv$  | <br> -   |          | 126        | Н              | $\vdash$   | 十                  |
|           | 27                | -                         |                    | ┪        | _ | ┢        | <del>                                     </del> |              | $\vdash$   | H        |   |          | 77       |          |          |          |          |   | $\vdash$  | -        |          | ┪         | <br> -   |          | 127        | Н              | <del>                                     </del> | -                  |
|           | 28                | -                         | +                  | ┪        | _ | $\vdash$ | $\vdash$   |              | <del>                                     </del> | H        |   |          | 78       | _        | <u> </u> |          |          |   |           |          |          | $\exists$ | F        |          | 128        | Н              |  | 7                  |
|           | 29                | _                         | 7                  |          |   |          | i –  |              | İ  | Ħ        |   |          | 79       |          | -        |          |          |   |           |          |          |           |          |          | 129        | П              | $\Box$   | ╗                  |
|           | 30                | T                         |                    |          |   | Ī        |  |              |  |          |   |          | 80       |          |          |          |          |   |           |          |          |           |          |          | 130        | •              |  | コ                  |
|           | 31                |                           |                    |          |   |          | $\Box$   |              |  |          |   |          | 81       |          |          |          |          |   |           |          |          |           |          |          | 131        |                |  | $\Box$             |
|           | 32                |                           |                    |          |   |          |  |              |  | Ш        |   |          | 82       |          |          |          |          |   | Щ         |          |          |           | L        |          | 132        | Ш              | L  | _                  |
|           | 33                | [                         | $\perp \downarrow$ | _        |   | L        | _  | L            | L  | Ш        | . | <u> </u> | 83       |          |          | Щ        |          |   | Ш         |          |          | _         | Ŀ        | _        | 133        | Ш              | $\sqcup$   | $\dashv$           |
|           | 34                | $\dashv$                  | $\perp$            | 4        |   | _        | $\vdash$   | <u> </u>     | <u> </u>   | Ш        |   | <u> </u> | 84       |          |          | Щ        | Щ        |   | Ш         |          | Щ        | _         | L        | _        | 134        | $\vdash$       | $\vdash \vdash$                                  | _                  |
|           | 35                | -+                        | _                  | 4        |   | $\vdash$ | ├_   | <u> </u>     |  | Н        |   | <u> </u> | 85       | <b>.</b> |          | Щ        |          |   |           |          | $\vdash$ | $\dashv$  | $\vdash$ |          | 135        | $\vdash$       | $\vdash \vdash$                                  | $\dashv$           |
| -         | 36<br>37          | $\dashv$                  | +                  | $\dashv$ | _ | $\vdash$ | -  |              | $\vdash$   | Н        |   |          | 86<br>87 | $\vdash$ | -        | $\vdash$ | -        | _ | $\vdash$  |          |          | $\dashv$  | -        |          | 136<br>137 | $\vdash\vdash$ | $\vdash \vdash$                                  | $\dashv$           |
|           | 38                | $\dashv$                  | +                  | -        |   | $\vdash$ | $\vdash$   | $\vdash$     | ╁─   | Н        |   | $\vdash$ | 88       | $\vdash$ | -        | Н        | $\dashv$ | _ | $\vdash$  | $\vdash$ | $\dashv$ | $\dashv$  | $\vdash$ |          | 138        | $\vdash$       | $\vdash$   | $\dashv$           |
| $\vdash$  | 39                | $\dashv$                  | +                  | $\dashv$ | _ | ├        | <del> </del> -                                   | -            | $\vdash$   | Н        |   | <u> </u> | 89       | $\vdash$ |          | $\vdash$ | $\vdash$ | - | $\dashv$  |          | $\dashv$ | $\dashv$  | ⊢        | $\dashv$ | 139        | $\vdash$       | $\vdash \vdash$                                  | $\dashv$           |
| $\vdash$  | 40                | $\dashv$                  | 十                  | -        |   |          | ╁  | H            | -  | Н        |   |          | 90       |          |          |          |          |   |           |          | -        | -         | ┢        | $\neg$   | 140        | Н              |  | 十                  |
| $\vdash$  | 41                | $\dashv$                  | $\dashv$           | $\dashv$ |   | $\vdash$ | $\vdash$   | H            | $\vdash$   | Н        |   | $\vdash$ | 91       | Н        |          | $\vdash$ | Н        |   | $\dashv$  | $\vdash$ | $\dashv$ | $\dashv$  | 卜        | _        | 141        | H              | $\vdash$   | 十                  |
| $\Box$    | 42                | 十                         | _                  | ┪        |   |          | T  | Г            |  | П        |   |          | 92       |          | -        |          | $\neg$   |   |           |          | $\dashv$ | 7         | F        |          | 142        |                | $\sqcap$   | ╛                  |
|           | 43                | _                         | 1                  | 7        |   | Γ        |  |              |  | П        |   |          | 93       |          |          |          |          |   |           |          |          |           |          |          | 143        |                |  |                    |
|           | 44                |                           | _                  | - 1      | _ |          |  |              |  |          |   |          | 94       |          |          |          |          |   |           |          |          |           |          |          | 144        |                |  | $\Box$             |
|           | 45                |                           |                    |          |   |          |  |              |  |          |   |          | 95       |          |          |          |          |   |           |          |          |           |          |          | 145        |                | $\Box$   |                    |
|           | 46                | $oxed{oxed}$              | $\Box$             |          |   |          |  |              |  |          |   |          | 96       |          |          |          |          |   |           |          |          | $\Box$    |          |          | 146        | Ш              | $\Box$   | $oldsymbol{\perp}$ |
|           | 47                | $\Box$                    | $\perp$            | J        |   | Ľ        | L  |              |  | $\Box$   | į |          | 97       |          |          |          |          |   |           |          | ]        |           | L        | ]        | 147        | Ш              | $\sqcup$   | $\dashv$           |
| $\square$ | 48                | $\perp$                   | $\perp$            | _        | _ |          | $oxed{oxed}$                                     | L            |  | Ш        |   |          | 98       | Ш        |          |          |          |   |           |          | ļ        | $\perp$   | L        | _        | 148        | Ш              | $\dashv$   | _                  |
| $\square$ | 49                | $\perp$                   | _                  | _        |   | <u> </u> | <u> </u>   | ldash        |  | Ш        |   | <b>.</b> | 99       |          |          | Ш        |          |   |           | _        |          | _         | L        |          | 149        | Ш              | $\dashv$   |                    |
|           | 50                |                           | - 1                | 1        |   | l        | L  | Ì            |  |          |   | L        | 100      |          |          |          | _        |   |           |          |          |           | L        |          | 150        | Ш              | ш  |                    |

| Cli   | aim               | <u> </u>     |            |          | [             | Date     | ₽        |              |  | <u>ا</u> ئے     |  |  |  |
|-------|-------------------|--------------|------------|----------|---------------|----------|----------|--------------|--|-----------------|--|--|--|
| Final | Original          |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 101               |              |            | 一        | $\vdash$      | _        | Г        | _            | $\vdash$   | П               |  |  |  |
|       | 102               |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 103               |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 104               |              |            |          | <u> </u>      | _        | <u> </u> |              | <u> </u>   | Ш               |  |  |  |
|       | 105<br>106        |              | _          |          | _             |          |          |              | $ldsymbol{ld}}}}}}$ | Ш               |  |  |  |
|       | 106               |              | lacksquare | <u> </u> | <u> </u>      | <u> </u> | <u> </u> | <u> </u>     | _  | Щ               |  |  |  |
|       | 107               |              | _          | <u> </u> | ļ             | <u> </u> | ļ        |              | <u> </u>   | Ш               |  |  |  |
|       | 108<br>109        | _            | _          | _        | <u> </u>      | ┝        | <u> </u> | <u> </u>     | $\vdash$   | Н               |  |  |  |
|       | 110               |              |            | ┝        | ⊢             | ⊢        | ⊢        | ┝            | ├  | Н               |  |  |  |
|       | 111               | _            | ┝          | ┢        |               | ┢        | H        | -            | -  | Н               |  |  |  |
|       | 112               | _            |            | H        | $\vdash$      | _        | $\vdash$ | ┢            |  | H               |  |  |  |
|       | 111<br>112<br>113 |              | $\vdash$   | $\vdash$ |               | $\vdash$ | $\vdash$ | $\vdash$     |  | $\vdash \vdash$ |  |  |  |
|       | 114               |              |            | $\vdash$ | _             |          | Т        | Г            | Т  | П               |  |  |  |
|       | 114<br>115        |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 116               |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 117               |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 118               |              |            |          |               |          |          |              |  | Ш               |  |  |  |
|       | 119               |              | <u> </u>   |          |               |          |          |              |  | Ш               |  |  |  |
|       | 120<br>121        |              |            |          |               |          |          |              |  | Щ               |  |  |  |
|       | 121               | _            | <u> </u>   | L        | L             |          |          |              | _  | Ш               |  |  |  |
|       | 122               | _            | <u> </u>   |          |               |          |          |              | ļ  | Щ               |  |  |  |
|       | 122<br>123<br>124 | Ŀ            | $\vdash$   |          | _             | L        | _        | <u> </u>     |  | Щ               |  |  |  |
|       | 124               |              |            |          |               |          | _        | -            | <u> </u>   | Н               |  |  |  |
|       | 125<br>126<br>127 | $\vdash$     | ├─         | ┝        | -             | -        | -        |              | $\vdash$   | Н               |  |  |  |
|       | 127               | $\vdash$     |            | -        |               |          | -        |              | $\vdash$   | Н               |  |  |  |
|       | 128               |              |            | -        |               |          |          |              |  | Н               |  |  |  |
|       | 128<br>129        |              |            |          | $\vdash$      |          |          | _            |  | П               |  |  |  |
|       | 130               |              |            |          |               |          |          |              |  | П               |  |  |  |
|       | 131               |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 132               |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 133<br>134        | _            |            | <u> </u> |               | L        |          |              | _  | Ш               |  |  |  |
|       | 134               | ļ            | <u> </u>   | _        |               | L        | _        | $oxed{oxed}$ |  | Ш               |  |  |  |
|       | 135               | <u> </u>     | ļ          | _        | _             | ŀ        |          | $\vdash$     |  | Ш               |  |  |  |
|       | 136<br>137        | ┝            | H          | $\vdash$ | -             | <u> </u> |          | $\vdash$     | <u> </u>   | Н               |  |  |  |
|       | 138               | <u> </u>     | $\vdash$   | -        | $\vdash$      |          | _        | $\vdash$     | _  | Н               |  |  |  |
| _     | 139               |              |            | $\vdash$ |               | $\vdash$ |          | _            | -  | $\vdash$        |  |  |  |
|       | 140               | <del> </del> | -          |          |               |          | _        | -            | ┢  | H               |  |  |  |
|       | 141               | Н            |            | $\vdash$ | _             |          |          |              |  | Н               |  |  |  |
|       | 142               | ┍            |            |          | $\overline{}$ |          |          | -            |  | П               |  |  |  |
|       | 143               |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 144               |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 145               |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 146               |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 147               |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 148               |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 149               |              |            |          |               |          |          |              |  |                 |  |  |  |
|       | 150               | l            | Щ          | لسا      |               |          |          |              |  |                 |  |  |  |